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**Subject:** Updated CEC Council Program at National Weather Center and Tom Love Innovation Hub  
**Importance:** High

Hello Gentlemen and Kacie,

It was a pleasure to meet with you to continue planning the CEC events at the NWC and IH. I have updated our program as informed by our discussions with you during our visit and we have presented the update to our Canadian and Mexican counterparts. Below are a few follow up items and the updated program. I trust I correctly captured our discussion, but please advise if we missed anything.

Follow up items:

1. Innovation Hub –
  - a. Coordinate with Kacie on logistics. We have advised the CEC Secretariat that the IH will bring the IH trailer to the OKC Convention Center for the CEC Exhibit. Kacie, Nathalie Daoust is the contact to orchestrate the exhibit (copied here)
  - b. We are exploring with Canada and Mexico the ideas we discussed with you: a potential Innovation Hub network (or a future IH project)
  - c. Ministers will arrive in three vehicles – parking to be secured for these in front of the Hub
2. Weather Center
  - a. We are setting up calls with the various leaders of programs to learn more about potential partnerships (radar, GeoCARB, CIMMs, etc) so that we can help Canada/Mexico identify potential partners and opportunities
  - b. We have advised the CEC Secretariat that the NWC will bring a radart/tech truck to the OKC Convention Center for the CEC Exhibit. Patrick, Nathalie Daoust is the contact to orchestrate the exhibit (copied here)
  - c. We have arranged with the Secretariat to showcase the CEC work on the large screens at NWC 9Atlas, Etc. Nathalie is contact as well.)
  - d. We would like to have a CEC booth at the NWC along with all the booths from the NWC so folks get to learn more about the CEC and the trilateral projects
  - e. Ministers will arrive in three vehicles – parking to be secured for these in front of the NWC
3. Question for OU team in general – what is the likelihood of students being available to join the 26-27 events given it will be summer break? How can we achieve some student participation? (audience)
4. We are awaiting guidance on press from our Administrator's office and will coordinate with OU accordingly

Updated Council Programs at OU and Council Public Session – please advise if we missed anything in revising our OU programming, especially if you are ready to confirm names for the various roles for leadership from the IH and NWC:

**8:00 - 8:30 am** Transportation to University of Oklahoma, Norman

Ministers – Ministers transportation for the day -- one vehicle for Administrator Pruitt and one for +3; One vehicle each for Ministers McKenna & Pacchiano + 3

GSC, Secretariat, JPAC and Delegations – group bus

**8:30 - 9:45 am** National Weather Center, University of Oklahoma, Norman

- Purpose:
  - Learn the history of the National Weather Center;

- Visit the forecast operations areas for the NOAA National Weather Service Oklahoma and the NOAA NWS Storm Prediction Center to discuss operational meteorology;
- Explore existing and potential new partnerships among the US, Canada, and Mexico governments, academia and businesses; and
- Learn about NWC relevance to CEC topics of interest and projects, such as:
  - Weather impacts to crops, pollinators, agriculture, aquaculture/fisheries and economy
  - Weather impacts to transport of trade or stocking of supply chains
  - Weather prediction and tracking capabilities and the ability to protect or harden infrastructure to maintain environmental protection, productivity, outputs or sustainability of coastal cities
- Location: U.S. National Weather Center at University of Oklahoma, 120 David L Boren Blvd., Norman, OK 73072 (<http://www.ou.edu/nwc/>)
- Participants: Ministers, Delegations, Secretariat
- Press: TBD

***National Weather Center Tour and Briefings Program:***

8:30 – 8:40 am Welcome and Introduction to the NWC and University Research Campus and CEC

- OU + NWS presidents open and welcome Administrator Pruitt and Ministers
- Administrator Pruitt brief remarks welcoming everyone to the event

8:40 – 9:30 am Ministers' VIP tour (Ministers + 3)

8:40 – 9:15 Ministers + 3 private guided tour (with Dean or Coordinator of External Relations)

- Introduction to Weather Service and its use to support agriculture and growth/productivity
  - Visit Storm Prediction Center and learn about forecasting (weather, fires), planning, and collaboration among US and Canada/Mexico (photo op)
  - Visit the Hazardous Weather Testbed
  - View and learn about innovative mobile radar technologies and other measurement instruments and collaboration among academia and US/Canadian businesses (photo op)
- 9:15 – 9:30 Ministers + 3 visit exhibit space
- Visit Booths and chat with experts on research, science technology relevant to CEC work (such as)

- Species migration
  - Marine protected areas
  - Collaboration with Tribal/First Nations/Indigenous Communities
  - Natural resource management and adaptation
    - 8:40 – 9:30 am Delegations Tour
      - Visit observation deck and learn about National Weather Center and University
      - View and learn about innovative mobile radar technologies and other measurement instruments and collaboration among academia and US/Canadian businesses
      - Visit Booths and chat with experts on research, science technology relevant to CEC work (such as)
  - Species migration
  - Marine protected areas
  - Collaboration with Tribal/First Nations/Indigenous Communities
    - Natural resource management and adaptation and other research
- TBD: Potential deliverables being explored with NWC and Radar Innovation Center:*
- *New atmospheric, species migration, marine debris layers for CEC North American Atlas and partnership between CEC Atlas and NWC;*
  - *Extreme weather activities/deliverables*
  - *Potential partnerships with Mexican industry to produce radars; Mexican space agency (NASA); Canadian partner on GeoCARB*
- 9:30 – 9:45 am Closing remarks: Administrator Pruitt, Ministers McKenna & Pacchiano (this program may evolve if Canada/Mexico bring counterparts and we develop deliverables)

9:45 am - Depart for OU Innovation Hub-Fabrication Lab

**9:45 – 10:00 am** Movement to Innovation Hub & Break

**10:00 – 11:30 am** Tom Love Innovation Hub and the Ronnie K. Irani Center for the Creation of Economic Wealth @ University of Oklahoma

- Purpose: The University of Oklahoma Innovation Hub and the Ronnie K. Irani Center for the Creation of Economic Wealth provide capabilities relevant to Innovation, Partnerships, Youth and Community entrepreneurship and growth. showcases how creative investment by Universities advances youth and community engagement and innovation. The objective of this visit is to showcase the value of these partnerships and capabilities by engaging the Youth Innovation Challenge winners and Ministers/Delegation in an exercise with the Hub's team to explore how to:
  - Enhance their winning innovative concepts and design
  - Fabricate prototypes as relevant
  - Strategize on market and finance for the concepts
  - And showcase the value of resources like the Tom Love Innovation Hub and the Ronnie K. Irani Center for the Creation of Economic Wealth and partnerships in advancing innovation.
- Location: Tom Love Innovation Hub, 201 David L. Boren Blvd, 1st Floor, Norman, OK 73019
- Participants: Ministers, Delegations, Secretariat, Youth Innovation Challenge winners; potential private sector partners
- Press: TBD

***Innovation Hub Program:***

Note: YIC winners will meet with experts at the Hub on the 26 in advance of the event on the 27.

10:00 – 10:05 am - Welcome to the Innovation Hub and the Ronnie K. Irani Center for the Creation of Economic Wealth by Tom Wavering, Executive Director, OU Innovation Hub and Jeff Moore, Executive Director Ronnie K. Irani Center (possibly Dean of Price College as well)

10:05 – 10:15 am From YIC to Business Challenge

- Secretariat Executive Director describes the CEC YIC, introduces the winners and provides the names of the winning projects (5 minutes)
- Fabrication Lab Director (Brandt Smith) explains the Business Challenge and objectives for the morning and invites the Delegations to split into three tours.

(Note—we are not presenting the full description of the winning projects as these and the lessons from the Innovation Hub, will be presented at the Council Public meeting later in the afternoon)

10:15 – 11:05 pm YIC Business Challenge and Tours (three separate tracks)

- Ministers + 3 VIP Tour
  - 10:15--10:45 VIP tour of the Innovation Hub
  - 10:45—11:05 Minister may join YIC expert working meeting to observe process (or Ministers may extend the VIP tour to 11:05 or depart for OKC to visit the CEC exhibit)
- YIC Winners
  - 10:15—11:05 Each YIC winner participates in an expert meeting with the Hub/Ronnie K Center staff (3 separate parallel meetings)
  - Depending on YIC project concept, expert meetings may involve fabrication, finance, software, etc.
- Country Delegations
  - 10:15—11:05 General tour for delegations

11:05 am – 11:15 am Recap and Closing

Dean, Tom Wavering, other officiates closing

- Summarizes what each YIC winner focused on at the hub—finance, fabrication, software, etc.
- Short Q&A with delegations about the Hub and experiences

*TBD: Potential deliverables being explored with Innovation Hub and Ronnie K. Irani Center:*

- *Creating Innovation Hubs with three universities*

- *Creating Innovation Hub project in next CEC Operational Plan to advise projects/initiatives/NAPECA*

10:00 am – 12:00 Noon – CEC Exhibit available for public viewing, OKC Convention Center (this would include the IH trailer and NWC truck)

**11:15 - 11:45 am** Transportation to OKC Convention Center

**11:45 – 1:00 pm** Lunch for Delegations/Registered Public

**2:30 – 5:00 pm** Council Public Session

- Purpose: The theme of the Council Session is Innovation and Partnerships for Green Growth. The objectives of this session are:
  - To highlight how federal, state, academic and private sectors work together to advance innovation and green growth through policy, partnerships, education, and technologies;
  - Ministers engage in a dialogue with expert representatives from academia, state/provincial, and private sectors on Innovations and Partnerships for Green Growth;
  - Ministers engage in moderated Q&A with the audience (in the room and potentially on the web, TBD)
  - Showcase youth and innovation
- Ministers, JPAC, TEKEG, Secretariat, Delegations, Registered Public
- Location: OKC Convention Center
- Press: OPEN

***Council Program:***

**2:30 – 2:38 pm** Executive Director Welcomes Everyone and Introduces Video of CEC Accomplishments

2:38 2:40 pm Executive Director introduces the Council

- Ministers walk on stage and take their seats in order as each is introduced.
  - Administrator Pruitt
  - Minister McKenna
  - Secretary Pacchiano

**2:40 - 3:05 pm** Opening remarks by Ministers on Innovation and Partnerships for Green Growth

- Administrator Pruitt (5 minutes)
- Minister McKenna (5 minutes)
- Secretary Pacchiano (5 minutes)

**3:05 – 3:10 pm** Executive Director introduces invited experts for a dialogue with the Ministers on Innovation and Partnerships for Green Growth (one expert from each country, ideally representing private sector entrepreneurship, academia, provincial/state government).

- Tentative expert representation
  - US – Academic
  - Mexico – Government (state of Sonora)
  - Canada – Private sector

**3:10 – 4:00 pm** Dialogue with the Ministers on Innovation and Partnerships for Green Growth

- Moderated Q &A from the audience and Facebook Live (TBC)

**4:00 – 4:35 pm** Youth Innovation and Business Challenge

- Executive Director introduces the CEC Youth Innovation Challenge and its purpose and introduces the winners (5 minutes)
- Innovation Hub Director describes the OU Innovation Hub and the Business Challenge (5 minutes)
- Each winner presents their concept to the Council and their experience/learning at the Innovation Hub (5 minutes each)
- Ministers comment on their country winners' projects and share their perspective about how Innovation Hubs help advance innovation & green growth (3 minutes each/10 minutes total)
- NOTE— this program may evolve if Canada/Mexico bring Innovation Hubs/fabrication labs

Best Regards,

*Luis Troche*

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